

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 77-29

WASTEWATER RECLAMATION REQUIREMENTS FOR:

SANITARY DISTRICT NO. 6 OF MARIN COUNTY AND  
ROHNERT PARK FARMS, NOVATO, MARIN COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. On February 1, 1977 Sanitary District No. 6 of Marin County hereinafter called the discharger, filed a Report of Waste Discharge on behalf of itself and Rohnert Park Farms hereinafter called the user, for use of reclaimed wastewater from the District's treatment plants.
2. The discharger and user are proposing to use reclaimed wastewater for a two year project to demonstrate the feasibility and practicality of utilizing reclaimed wastewater for forage crop irrigation. The reclaimed wastewater will be applied by spray irrigation to approximately 90 acres of land planted with forage crops, mostly barley, as shown on Attachment "A", which is made part of this Order.
3. The Board adopted a Water Quality Control Plan for San Francisco Bay Basin in April 1975. The water quality objectives for reclaimed wastewater, as set forth in the Basin Plan, specify those limits prescribed in Title 17, Section 8025 through 8050 C California Administrative Code. These objectives have been superseded by Title 22, Sections 60301 - 60357, California Administrative Code.
4. The project consists of an alteration of effluent discharge point from San Pablo Bay to partial reclamation for spray irrigation of fodder crops. The wastewater reclamation requirements are in conformance with the statewide reclamation criteria established by the State Department of Health and in conformance with the Policy and Action Plan for Water Reclamation adopted by the State Board.
5. The project meets the criteria for a class 4 exemption pursuant to Section 15104 of the California Administrative Code (State EIR Guidelines).

6. The Board has notified the discharger, the user, and interested agencies and persons of its intent to prescribe wastewater reclamation requirements for the proposed use.
7. The Board in a public meeting heard and considered all comments pertaining to the proposed use.

IT IS HEREBY ORDERED, Sanitary District No. 6 of Marin County and Rohnert Park Farms shall comply with the following:

Reclaimed Wastewater Use Specifications

1. The treatment, distribution or reuse of reclaimed wastewater shall not create a nuisance as defined in Section 13050(M) of the California Water Code.
2. The reclaimed wastewater shall be at all times an oxidized wastewater and shall meet the following quality limits at all times:
  - a. 5-day BOD 40.0 mg/l, maximum
  - b. Dissolved Oxygen 2.0 mg/l, minimum
  - c. Dissolved Sulfide 0.1 mg/l, maximum
  - d. Coliform Organisms Median MPN shall not exceed two hundred and forty (240) coliform organisms per 100 milliliters of sample at some point in the treatment process. The median value will be determined from the bacteriological results of the last seven (7) analyses.
3. The property boundary and all equipment, including pumps, piping and valves, etc., which may at any time contain waste shall be adequately and clearly identified with warning signs and user shall make all necessary provisions, in addition, to inform the public that the liquid contained is sewage and is unfit for human consumption.
4. Use of reclaimed wastewater, other than the designated spray area as shown in the Attachment "A" is prohibited without written authorization from the Executive Officer.
5. Use of reclaimed wastewater is prohibited during rainfall or at times when soils are saturated.
6. No reclaimed wastewater used for land irrigation shall be allowed to escape from the property via surface flow or airborne spray.
7. Dairy cattle are prohibited from grazing on the areas irrigated with reclaimed wastewater.

8. Fodder crops shall not be harvested when wet from spraying with reclaimed wastewater.
9. Surface drainage channels for the areas irrigated with reclaimed wastewater should be dammed to prevent any runoff of reclaimed water from entering surface water.
10. Use of reclaimed wastewater to the designated spray area shall cease immediately when any of the above specifications are violated.

#### Provisions

1. The discharger and the user shall file with this Board's Executive Officer a report of any proposed change in the location of spray area or quantity of this waste discharge within 60 days of the proposed change.
2. The discharger and the user shall file with the Regional Board technical reports on self-monitoring work performed according to detailed specifications as directed by the Executive Officer.
3. The discharger and the user shall permit the Regional Board or its authorized representative:
  - a. Entry upon premises in which an effluent source is located or in which any required records are kept.
  - b. Access to copy any records required to be kept under terms and conditions of this Order.
  - c. Inspection of any monitoring equipment or method required by this Order.
  - d. Sampling of any discharge.
4. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed to achieve compliance with the water reclamation requirements.
5. The discharger and the user shall maintain a copy of this Order at their respective sites.
6. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the discharger and the user, the discharger and user shall notify the succeeding owner or operator of the existence of this Order by a letter, a copy of which shall be forwarded to this Board.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on April 19, 1977.

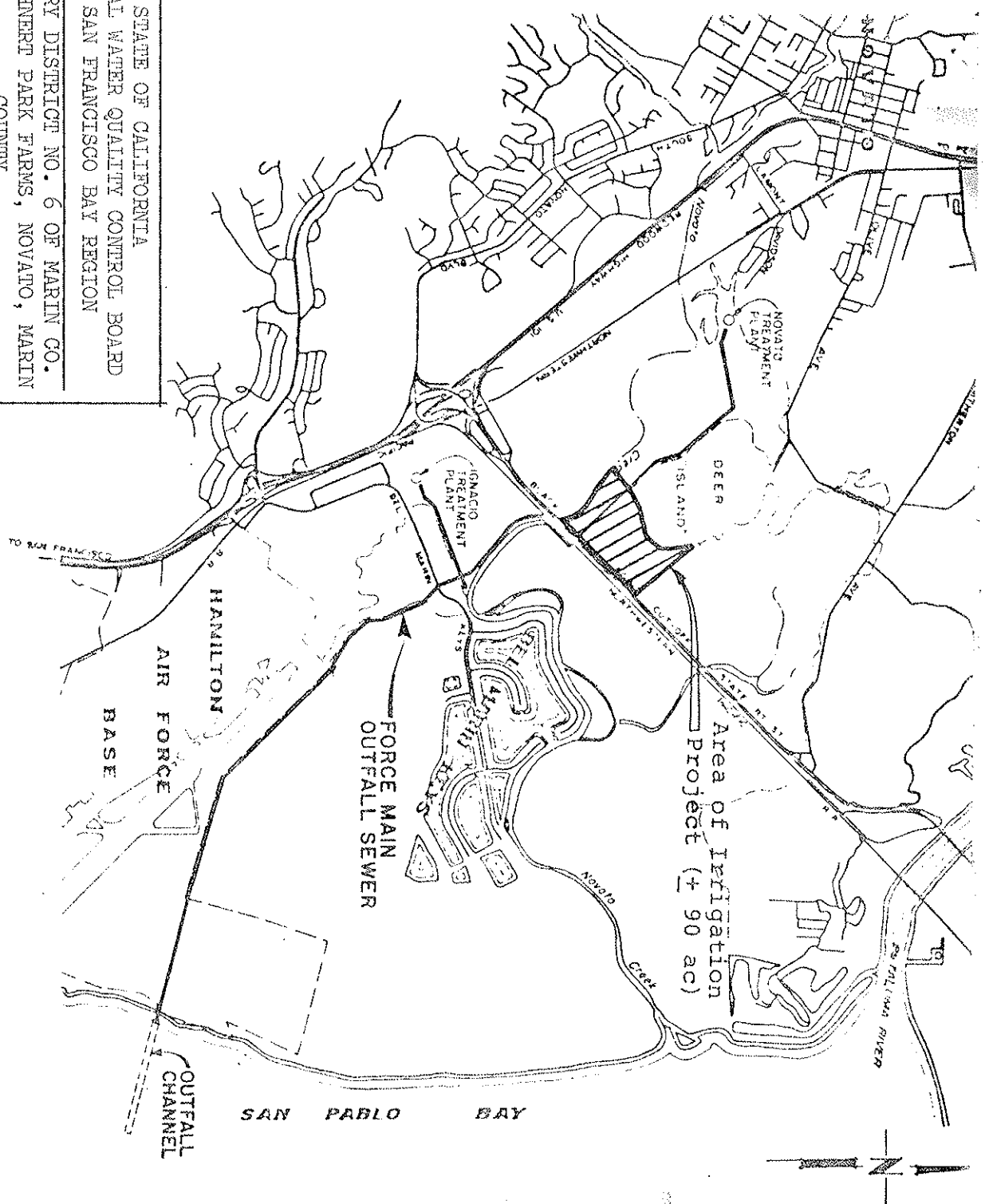
FRED H. DIERKER  
Executive Officer

Attachment:

Map

Self-Monitoring Program

STATE OF CALIFORNIA  
 REGIONAL WATER QUALITY CONTROL BOARD  
 SAN FRANCISCO BAY REGION  
 SANITARY DISTRICT NO. 6 OF MARIN CO.  
 AND ROHNERT PARK FARMS, NOVATO, MARIN  
 COUNTY  
 LOCATION OF THE DEMONSTRATION PROJECT  
 ATTACHMENT "A" ORDER NO. 77-29



SELF-MONITORING PROGRAM  
FOR  
SANITARY DISTRICT NO. 6 OF MARIN COUNTY  
AND ROHNERT PARK FARMS, NOVATO,  
MARIN COUNTY

A. General

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a monitoring program by a waste discharger, also referred to as self-monitoring program, are: (1) to document compliance with waste discharge requirements and prohibitions established by this Regional Board, (2) to facilitate self-policing of the waste discharge, (3) to develop or assist in the development of effluent or other limitations, discharge prohibitions, national standards of performance, pretreatment and toxicity standards, and other standards, and (4) to prepare water and wastewater quality inventories.

B. Monitoring Program

1. Schedule for sampling, and analyses of effluent shall be performed as shown on Table 1.
2. Weekly the user of reclaimed wastewater shall inspect the following:
  - a) Presence of odors as a result of spray application of wastewater noting the presence or absence, character source and distance and direction of travel.
  - b) Evidence of any ponded water due to spray application or runoff of reclaimed wastewater outside the property.

C. Reports to be Filed with the Regional Board

1. Violations of Requirements

In the event the discharger is unable to comply with the conditions of the waste discharge requirements and prohibitions due to:

- a) Maintenance work, power failures, or breakdown of units, treatment equipment, or
- b) accidents caused such as acts of nature

The discharger shall notify the Regional Board Office by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written report shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to prevent the problem from recurring.

2. Regular Self-Monitoring Reports shall be sent to the Regional Board monthly. The attached monitoring summary form shall be used and copies sent to the Board and County Health Department.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 77-29.
2. Has been ordered by the Executive Officer on April 19, 1977, and becomes effective immediately.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

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FRED H. DIERKER  
Executive Officer

TABLE I  
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES

SAMPLING STATIONS	E-001 thru E-00'n'								
TYPE OF SAMPLES	G								
Reclaimed Wastewater Volume (gallons/day)	D								
Total Coliform (MPN/100 ml)	$\frac{1}{3/W}$								
Chlorine Residual (mg/l)	$\frac{1}{D}$								
Dissolved Sulfide (If D.O. less than 2 ppm)	W								
BOD (mg/l)	3/W								
Dissolved Oxygen	5/W								

LEGEND

Type of Sample

G = grab sample  
O = observation

Frequency of Sampling

4H = every 4 hours  
D = daily  
W = once each week  
X/W = X times a week

Station

E-001  
thru  
E-00'n' = station (s) representative of  
treatment plant effluent being  
diverted for reclamation

1/ Samples are required to be taken only on days any reclaimed wastewater is  
being diverted



## MONITORING SUMMARY FOR WASTEWATER RECLAMATION

DISCHARGER: Sanitary District #6, Rohnert Park FarmORDER NO. 77-29

YEAR	FLOW	TOTAL COLIFORM		CHLORINE RESIDUAL	DO	BOD <sub>5</sub>	DISSOLVED SULFIDE	
MONTH								
DAY	TOTAL GALLONS RECLAIMED	MPN/100 ml	MPN/100 ml 7 DAY MEDIAN (240 MPN/100 ml)	mg/l DAILY MINIMUM	mg/l (1.0 min)	mg/l (40 max)	mg/l (0.1 max)	
1								
2								
3								
4								
5								
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